Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	92	(HSG or hemispheric) and (phase near3 change)	US-PGPUB; USPAT	OR	ON	2005/01/12 17:14
L2	53	1 and @ad<"20011231"	US-PGPUB; USPAT	OR	ON	2005/01/12 17:09
L5	0	(HSG or hemispheric) and (phase adj changeable)	US-PGPUB; USPAT	OR	ON	2005/01/12 17:07
L6	0	(HSG or hemispheric) and (programmable adj material)	US-PGPUB; USPAT	OR	ON	2005/01/12 17:08
L7	0	(HSG or hemispheric) and (programmable adj layer)	US-PGPUB; USPAT	OR	ON	2005/01/12 17:07
L8	0	(HSG or hemispheric) and (programmable adj film)	US-PGPUB; USPAT	OR	ON	2005/01/12 17:08
L9	0	(HSG or hemispheric) and (recordable adj material)	US-PGPUB; USPAT	OR	ON	2005/01/12 17:09
L10	0	(HSG or hemispheric) and (recordable adj layer)	US-PGPUB; USPAT	OR	ON	2005/01/12 17:08
L11	0	(HSG or hemispheric) and (recordable adj film)	US-PGPUB; USPAT	OR	ON	2005/01/12 17:08
L12	15	(HSG or hemispheric) and (memory adj material)	US-PGPUB; USPAT	OR	ON	2005/01/12 17:11
L13	14	12 and @ad<"20011231"	US-PGPUB; USPAT	OR	ON	2005/01/12 17:14
L14	12	(HSG or hemispheric) and (recording adj material)	US-PGPUB; USPAT	OR	ON	2005/01/12 17:11
L15	9	14 and @ad<"20011231"	US-PGPUB; USPAT	OR	ON	2005/01/12 17:11
L16	6	(HSG or hemispheric) and (phase near3 change)	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:13
L17	437	438/93-95,398,602.ccls. and (HSG or hemispheric)	US-PGPUB; USPAT	OR	ON	2005/01/12 17:15
L18	384	17 and @ad<"20011231"	US-PGPUB; USPAT	OR	ON	2005/01/12 17:15
L19	4	257/3,4,200,246.ccls. and (HSG or hemispheric)	US-PGPUB; USPAT	OR	ON	2005/01/12 17:15

US-PAT-NO: 5896227

DOCUMENT-IDENTIFIER: US 5896227 A

TITLE: Retroreflective sheeting and method for forming same

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Application Filing Date - AD (1):
19971001

Brief Summary Text - BSTX (24):
Briefly summarizing, retroreflective sheeting of the invention comprises a binder layer with retroreflective elements partially embedded in the surface thereof. The binder layer has first and second sides with the first side having one or more protrusions thereon, the protrusions having one or more retroreflective elements partially embedded thereon. An important distinction over previously known profiled or patterned retroreflective sheetings is that the binder layer is a so-called "shape memory" material that has been deformed and then activated after the retroreflective elements are embedded therein to achieve the desired final shape.

Detailed Description Text - DETX (43):
Preferably the microspheres have a reflective coating on a portion thereof, e.g., a hemispheric coating of aluminum, silver, or a dielectric coating. Such microspheres will be self-retroreflecting. Alternatively, the microspheres may be free of any reflective coating and reflective material such as pigment flakes may be incorporated in the binder layer. This optical system is similar to that used in many retroreflective pavement markings.

Detailed Description Text - DETX (44):
The microspheres will typically comprise a reflective layer, e.g., a substantially hemispheric coating of aluminum, silver, or dielectric material thereon.